

## ABSTRACT OF DISCLOSURE

An enciphering/deciphering apparatus and method are provided. The apparatus for enciphering data packets with a variable width comprises: a variable width-fixed width data packet conversion unit such that if a fixed width is a width of a data packet, which is processed in an enciphering process, and is a multiple of a variable width that is the width of an arbitrary data packet input from an arbitrary interface module, sequentially receiving the same number of variable width data packets as a combination value, which is obtained by dividing the fixed width by the variable width, and combining the same number of sequentially received variable width data packets as the combination value to generate a fixed width data packet and outputting the fixed width data packet; and an enciphering unit enciphering the outputted fixed width data packet to generate and to output a fixed width cipher data packet.